

**Global Young Scientists Summit@one-north 2016**  
**17 – 22 January 2016**  
**Participant Selection Criteria**

**About the Summit**

The Global Young Scientists Summit@one-north (GYSS) is a gathering of young researchers (primarily PhD students and post-docs) from all over the world, to interact with internationally eminent science and technology leaders ('speakers') in Singapore. The Summit will discuss the latest advances in science & technology, and how research and innovation can be harnessed to address major global challenges. It is a multi-disciplinary Summit, covering topics ranging from chemistry, physics and medicine to mathematics, computer science and engineering. Speakers invited to the GYSS are globally recognised scientific leaders, who are recipients of the Fields Medal, Millennium Technology Prize, Nobel Prize, and Turing Award.

**Excite. Engage. Enable.**

The GYSS aims to inspire and *excite* bright young scientists, through close interactions with eminent scientific leaders, to apply their minds to research which addresses serious global challenges and the future needs of mankind. The Summit provides a platform for these young researchers to connect and *engage* with like-minded peers from all over the world and build up a global research network. An integral part of GYSS is the Singapore Challenge, which will *enable* participants with a compelling research proposition to take steps to bring their ideas to fruition.

**GYSS 2016**

The theme for GYSS 2016 is "*Advancing Science, Creating Technologies for a Better World*", similar to that of the earlier Summits. GYSS 2016 is the fourth Summit organised, since 2013. Each year, about 280 international and local young scientists engage closely with peers and invited speakers, over a specially curated 5-day programme, to discuss key areas of science & research, technology innovation & society, and solutions to global challenges.

The first 3.5 days of the Summit comprise plenary lectures and panel discussions with the invited speakers followed by small group informal interaction sessions or master-classes with the speakers. Participants have the opportunity to visit local universities, research centres and other R&D highlights of Singapore in the final 1.5 days of the Summit. The GYSS 2016 will be mostly held within the campus of the Singapore University of Technology and Design (SUTD) to immerse participants and speakers in the local university eco-system. Social programmes will also be organised for participants to appreciate the sights, sounds and tastes of multi-cultural Singapore.

### **Singapore Challenge**

The Singapore Challenge is a unique feature of the GYSS. GYSS Participants are encouraged to submit whitepapers to address an identified national challenge. Selected research proposals will be presented to a panel comprising scientific leaders and captains of industry during the Summit. A cash prize and medallion are awarded to the best concept and technological solutions proposed to meet the challenge.

The topic of the 2016 Singapore Challenge is '*Sustainable and Liveable Cities*', and the partner ministry to the Singapore Challenge is the Singapore Ministry for Environment & Water Resources (MEWR). Please see the attached document for further details, including the Challenge Statement and descriptor on the Singapore Challenge 2016. GYSS participants are highly encouraged to submit research whitepapers to the Singapore Challenge.

### **The Selection Criteria for GYSS2016 Participants**

The Summit welcomes PhD students, clinicians-in-training and postdoctoral researchers in any field of Science and Technology and who are 35 years old or below; or is a Registrar/Resident in a public healthcare institution (at the time of the Summit). Participants must not have attended previous editions of the GYSS.

The participants should also demonstrate the following:

- Have strong passion and interest in research;
- Have good English skills for active discussion and engagement with peers and speakers;
- Have strong academic achievements in his/her area of research and assessed to be within the top 5-10 percent of cohort;
- Have strong support from nominating institution, preferably to have a recommendation letter from academic advisor or supervisor enclosed.

Nominating institutions/organisations are expected to sponsor the participants' passage to Singapore. A local hospitality package will be provided for participants in Singapore during the Summit.

The nominating institutions shall provide the nominations, in the form of the nominees' CVs (no fixed format but nominees are advised to highlight their research interests, education background, awards and key publications) and institutional support letters (strongly encouraged), via a dedicated GYSS website (address and log-in to be advised later) by **31 August 2015**.

The selected participants will be contacted by the GYSS secretariat to complete the registration in phases in the fourth quarter of 2015. The GYSS secretariat reserves the right to make the final selection decision of nominated participants.